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|  | **7th Grade Math Essential Learning Goals** |
| **#** | **Essential Learning Goal** |
|
| 1 | *Identify variables in situations.* |
| 2 | *Construct tables and graphs to display relationships between variables.* |
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| 3 | *Describe patterns of change shown in words, tables and graphs.* |
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| 4 | *Calculate scale factor and use it to find missing side lengths in similar figures.* |
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| 5 | *Identify how area and perimeter relate to scale factor.* |
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| 6 | *Move flexibly among ratios, percents, fractions, and rates.* |
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| 7 | *Scale rates and ratios up and down, including unit rates.* |
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| 8 | *Order positive and negative rational (fractions and decimals) numbers.* |
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| 9 | *Add, subtract, multiply, and divide integers.* |
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| 10 | *Use order of operations in computation (PEMDAS).* |
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| 11 | *Graph coordinate pair in the four quadrants.* |
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| 12 | *Given the situation move flexibly between tables, graphs, and equations of linear relationships.* |
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| 13 | *Use tables, graphs & equations (including substitution) of linear relationships to answer questions.* |
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| 14 | *Pull data from a variety of representations to find measures of central tendency.* |
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| 15 | *Calculate surface area of a rectangular prism, triangular prism, and cylinder.* |
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| 16 | *Calculate volume of a rectangular prism, triangular prism, and cylinder.* |
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| 17 | *Calculate theoretical and experimental probability with one and two stage events.* |
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